

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE: NOEL J. DE SOUZA, et al
FOR: CRYSTALLINE FLUOROQUINOLONE ARGININE SALT FORM

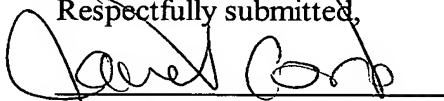
Attorney Docket No.: U 014826-4

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

We draw the attention of the Examiner to the references listed on the attached Form PTO-1449. Copies of the references are not required, because they were already filed in a U.S. application from which an earlier filing date is claimed in this application.

Respectfully submitted,



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LADAS & PARRY
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U. S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

SERIAL NO.

U 014826-4

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

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APPLICANT

NOEL JOHN DE SOUZA, et al.

FILING DATE

GROUP

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER								DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIAT
	AA	6	3	2	9	3	9	1		12/2001	Ledoussal, et al.	514	312	
	AB	4	3	8	2	8	9	2		5/1983	Hayakawa, et al.	260	243.3	
	AC	5	8	5	9	0	2	6		1/1999	Ito, et al.	514	312	
	AD	5	8	8	9	0	0	9		5/1999	Miyake, et al.	514	254	
	AE	6	1	2	1	2	8	5		9/2000	Takemura, et al.	514	312	
	AF	6	1	8	4	3	8	8		2/2001	Takemura, et al.	548	566	
	AG	6	3	2	9	3	9	1		12/2001	Ledoussal, et al.	514	312	
	AH	3	9	8	4	4	0	3		10/1976	Fujisawa, et al.	260	243	
	AI	4	6	4	2	3	5	5		2/1987	Nakamura, et al.	548	533	
	AJ	4	0	5	1	2	4	7		9/1977	Schuppan, et al.	424	258	
	AK	3	9	2	4	0	4	2		12/1975	Gerster, et al.	424	258	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER								DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION	
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	AN	0	2	8	7	9	5	1		10/1988	EP				
	AO	0	3	0	4	0	8	7		2/1989	EP				
	AP	0	2	4	1	2	0	6		10/1987	EP				

OTHER ART (Including Author, Title, Date, Pertinent Dates, Etc.)

AR	Mergler et al. Proceedings of the 12 th American Peptide Symposium. Reference cited on page 2 of														
	EPA 0953577														
AS	Alsina, et al. <i>Tetrahedon Letters</i> , v38 n5, (1997) 883-886.														
AT	Edwards et al. <i>J. Med. Chem.</i> , v37 n22 (1994) 3749-3757.														

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	AA	3 9 8 5 8 8 2	10/1976	Gerster, et al.	424	258	
	AB	4 3 9 9 1 3 4	8/1983	Ishikawa, et al.	424	246	
	AC	4 4 0 4 2 0 7	9/1983	Stern, et al.	424	258	
	AD	4 4 1 6 8 8 4	11/1983	Ishikawa, et al.	424	250	
	AE	4 4 4 3 4 4 7	4/1984	Gerster, et al.	424	248.53	
	AF	4 4 7 2 4 0 6	9/1984	Gerster, et al.	424	258	
	AG	4 4 7 2 4 0 7	9/1984	Stern, et al.	424	258	
	AH	4 5 3 5 1 6 1	8/1985	Hayakawa, et al.	546	94	
	AI	4 5 5 2 8 7 9	11/1985	Ishikawa, et al.	514	253	
	AJ	4 5 9 4 3 4 7	6/1986	Ishikawa, et al.	514	252	
	AK	4 5 9 9 4 1 8	7/1986	Irikura, et al.	544	361	

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	AO	0 0 1 8 4 0 4	4/2000	WO				
	AP	0 1 8 5 0 9 5	11/2001	WO				

OTHER ART (Including Author, Title, Date, Pertinent Dates, Etc.)

	AR	Oizumi et al. <i>J. Infec. Chemotherapy</i> , v7 (2001) 191-194.
	AS	Haustein et al. <i>J. of Dermatological Treatment</i> , v8 (1997) 87-92.
	AT	Bundgaard, H. <i>Design of Prodrugs</i> . (1985) p1-3

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	AA	5	1	8	5	3	3	7		2/1993	Fujii, et al.	514	254	
	AB	6	0	3	4	1	0	0		3/2000	Adachi, et al.	514	312	
	AC	4	9	3	5	4	2	0		6/1990	Ueda, et al.	514	235.2	
	AD	5	8	5	9	0	2	6		1/1999	Ito, et al.	514	312	
	AE	6	1	2	1	2	8	5		9/2000	Takemura, et al.	514	312	
	AF	5	6	3	9	8	8	6		6/1997	Zerbes, et al.	546	155	
	AG	5	8	6	9	6	6	1		2/1999	Ochi, et al.	544	128	
	AH	4	3	8	2	8	9	2		5/1983	Hayakawa, et al.	260	243.3	
	AI	4	8	9	4	4	5	8		1/1990	Masuzawa, et al.	546	156	
	AJ	5	2	0	0	5	5	8		4/1993	Kwan, K.C.	562	496	
	AK	2002/0061908								4/2001	de Souza, et al	514	294	

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	AO	0	5	3	3	9	2	3		12/1993	JP				X
	AP	5	8	0	9	0	5	1		5/1983	JP				X

OTHER ART (Including Author, Title, Date, Pertinent Dates, Etc.)

	AR	Hashimoto et al. <i>Chem. Pharm. Bull.</i> V44, n4 (1996) p642-645.												
	AS	Irish, D. et al. <i>J. of Hospital Infection</i> , v39 (1998) p19-26												
	AT	Kido, M. et al. <i>Chem. Pharm. Bull.</i> V42, n4 (1994) p872-876												

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	AA	4	6	3	8	0	6	7		1/1987	Culbertson, et al.	546	15	
	AB	4	6	6	5	0	7	9		5/1987	Culbertson, et al.	514	312	
	AC	4	8	2	2	8	0	1		4/1989	Domagala, et al.	514	312	
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	AE	5	0	5	1	5	0	9		9/1991	Nagano, et al.	546	156	
	AF	5	6	0	7	9	4	2		3/1997	Petersen, et al.	546	200	
	AG	5	6	7	7	3	1	6		10/1997	Ao, et al.	514	312	
	AH	4	7	7	7	1	7	5		10/1988	Culbertson, et al.	514	300	
	AI	6	1	2	1	2	8	5		9/2000	Takemura, et al.	514	312	
	AJ	6	3	2	9	3	9	1		12/2001	Ledoussal, et al.	514	312	
	AK	4	8	7	4	7	6	4		10/1989	Ueda, et al.	514	254	

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	AL	6	3	1	9	2	7	5	3	8/1988	JP				X
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	AN	5	7	1	7	6	9	8	7	10/1982	JP				X
	AO	0	2	1	8	8	5	7	0	7/1990	JP				X
	AP	0	0	6	8	2	2	9		11/2000	WO				

OTHER ART (Including Author, Title, Date, Pertinent Dates, Etc.)

	AR	Sloan et al. <u>Physics and Chemistry of the Organic Solid State</u> , eds. D. Fox, Labes and Weissberer, Interscience Publishers, (1963) 179-182
	AS	Takahashi et al. <u>Arzheim-Forsc/Drug Res.</u> , 45(1), Nr.2 (1995), 199-197
	AT	Morita, S. et al. <u>Tetrahedoni: Assymetry</u> , v6, n1 (1995) p245-254.

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	AL	0 1 8 5 7 2 8	11/2001	WO				
	AM	9 9 2 6 9 4 0	6/1999	WO				
	AN	0 9 1 9 5 5 3	6/1999	EP				
	AO	0 2 3 0 2 9 5	7/1987	EP				
	AP	0 2 0 9 7 5 8	2/2002	WO				

OTHER ART (Including Author, Title, Date, Pertinent Dates, Etc.)

	AR	Morita, S. et al. <i>Chem. Pharm. Bull.</i> , 38(7) (1990) 2027-2029.
	AS	Ishikawa et al. <i>Chem. Pharm. Bull.</i> , 37(8) (1989) 2103-2108.
	AT	English translation of Yamada, H. et al. <i>Iyahukin Kenkyu</i> , v31, n8 (2000) p519-524

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	AL	0 5 4 1 0 8 6	5/1993	EP			
	AM	0 3 4 2 6 7 5	11/1989	EP			
	AN	9 7 3 1 0 0 0	8/1997	WO			
	AO						
	AP						

OTHER ART (Including Author, Title, Date, Pertinent Dates, Etc.)

	AR	English translation of Yamada, H. et al. <i>Iyahukin Kenkyu</i> , v31, n8 (2000) p525-528
	AS	Berge et al. <i>J. of Pharmaceutical Sciences</i> , 66(1) (1977) 1-19.
	AT	Abstract of Koike, M. et al. <i>Iyaku hin Kenkyu</i> , v21, n5 (1990) p998-1021

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OTHER ART (Including Author, Title, Date, Pertinent Dates, Etc.)

	AR	Abstract of Koike, M. et al. <i>Iyaku hin Kenkyu</i> , v21, n5 (1990) p1022-1033
	AS	Abstract of Fujita, S. et al. <i>Iyaku hin Kenkyu</i> , v21, n6 (1990) p1156-1176
	AT	Abstract of Koike, M. et al. <i>Yakubutsu Dotai</i> , v5, n2 (1990) p199-208

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OTHER ART (Including Author, Title, Date, Pertinent Dates, Etc.)

	AR	Abstract of Yasuo, A. et al. <i>Yakuri to Chiryo</i> , v18, n4 (1990) p1717-1730
	AS	Abstract of Hayakawa, R. et al. <i>Hifu</i> , v32, n2 (1990) p217-230
	AT	Abstract of Asada, Y. et al. <i>Yakuri to Chiryo</i> , v18, n4 (1990) p1717-1730

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	AR	Abstract of Awogi, T. et al. <i>Iyakuhin Kenkyu</i> , v21, n4 (1990) p626-635
	AS	Abstract of Matsuzawa, A. et al. <i>Iyakuhin Kenkyu</i> , v21, n4 (1990) p636-646
	AT	Abstract of Nagao T. et al. <i>Iyakuhin Kenkyu</i> , v21, n4 (1990) p647-662

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AR	Abstract of Matsuzawa, A. et al. <i>Iyaku hin Kenkyu</i> , v21, n4 (1990) p633-670
AS	Abstract of Hashimoto, K. et al. <i>Iyaku hin Kenkyu</i> , v21, n4 (1990) p670-677
AT	Abstract of Furukawa, M. et al. <i>Iyaku hin Kenkyu</i> , v21, n5 (1990) p989-997

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	AR	Abstract of Kojima, K. et al. <i>Iyaku hin Kenkyu</i> , v21, n5 (1990) p1034-1052
	AS	Abstract of Nakagiri, N. et al. <i>Iyaku hin Kenkyu</i> , v21, n6 (1990) p1144-1155
	AT	Abstract of Aoki, M. et al. <i>Iyaku hin Kenkyu</i> , v21, n6 (1990) p1177-1202

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	AR	Abstract of Matsuzawa, A. et al. <i>Iyaku hin Kenkyu</i> , v22, n1 (1990) p61-76
	AS	Abstract of Kurokawa I. et al. <i>J. Am. Acad. Dermatol.</i> , v25, n4 (1991) p674-681
	AT	Abstract of Bojar, R. et al. <i>J. of Investigative Dermatology</i> , v103, n3 (1994) p405

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	AR	Abstract of Haustein, U.F. et al. <i>J. of Dermatological Treatment</i> , v8, n2 (1997) p87-92
	AS	Abstract of Smith, C.M. et al. <i>J. of Investigative Dermatology</i> , v108, n3 (1997) p123
	AT	Abstract of Hayakawa, R. et al. <i>Hifu</i> , v40, n2 (1998) p165-171

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	AR	Fujio, N. et al. <i>Yakuri to Chiryō</i> , v26, n7 (1998) p1119-1132
	AS	Kido, M. et al. <i>Chem. Pharm. Bull.</i> , v44, n2 (1996) p421-423
	AT	Miller, M.A. et al. <i>Infection Control and Hospital Epidemiology</i> , v17, n12 (1995) p811-813

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	AR	Nishijima, S. et al. <i>Journal of Dermatology</i> , v21, (1994) p233-238
	AS	Udo, E. E. et al. <i>J. of Hospital Infection</i> , v26, (1994) p157-165
	AT	Abstract of Kurokawa, I. et al. <i>European J. of Dermatology</i> , v9, n1 (1999) p25-28

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AR	Abstract of Komagata. et al. <i>Japanese Journal of Antibiotics</i> , v51, n2 (1998) p130-136
AS	Abstract of Gollnick, H. et al. <i>Dermatology</i> , v196, n1(1998) p119-125
AT	Abstract of Nishijima, S. et al. <i>J. of Int'l Medical Research</i> , v25, n4 (1997) p210-213

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AR	Abstract of Nishijima, S. et al. <i>J. of In'tl Medical Research</i> , v24, n6 (1996) p473-477
AS	Abstract of Akamatsu, H. et al. <i>J. of Int'l Medical Research</i> , v23, n1 (1995) p19-26
AT	Abstract of Takahashi, N. et al. <i>Arzneimittel-Forschung</i> , v45, n2 (1995) p195-

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AR	Abstract of Takahashi, N. et al. <i>Arzneimittel-Forschung</i> , v44, n11 (1994) 1p265-1268
AS	Abstract of Patel, M.V. 39 th ICAAC at San Diego Poster No. F0558 (Sept. 26-29, 1999)
AT	Chemical Abstract: Doc. No. 123:334723 Vogt, K. et al. <i>Drugs</i> , v49, Suppl.2 (1995)

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AR	Chemical Abstract: Doc. No. 123:334716 Nishijima et al. <i>Drugs</i> , v49, Suppl.2 (1995)
AS	Chemical Abstract: Doc. No. 124:21098 Bojar, R.A. et al. <i>Drugs</i> , v49, Suppl.2 (1995)
AT	Chemical Abstract: Doc. No. 122:213914, <i>Tetrahedon: Asymmetry</i> , v6, No.1 (1995)

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AR	Chemical Abstract: Doc. No. 119:4810 Vogt, K. et al. <i>Eur. J. Clin. Microbiol. Infect.</i>
AS	Chemical Abstract: Doc. No. 113:2131188 Morita, S. et al. <i>Chem. Pharm. Bull.</i> v38, n7
AT	Chemical Abstract: Doc. No. 112:229223, Muto, N. et al. <i>J. Immunoassay</i> , v11 n1

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AR	Chemical Abstract: Doc. No.112: 191305, Koike, M. et al. <i>J. Chromatogr.</i> v526, n1
AS	Chemical Abstract: Doc. No. 112: 178631, Ishikawa, H. et al. <i>Chem. Pharm. Bull.</i> v37,
AT	Chemical Abstract: Doc. No. 112:52083, <i>Chemotherapy</i> , v37, n9 (1989) p1160-1178

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AR	Abstract of Iwahara, K. et al. <i>European J. of Dermatology</i> , v9, n4 (1999) p276-277
AS	Abstract of Radl, S. et al. <i>Archiv der Pharmazie</i> , v329, n3 (1996) p115-119
AT	Abstract of Andriole, V.T., <i>Drugs</i> , v46, Suppl.3 (1993) p1-7

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	AR	Abstract of Yamakawa, T. et al. <i>J. Antimicrobial Chemotherapy</i> , 49(3) Mar 2002, 455-465
	AS	Hooper, David C. <i>Drug Resistance Updates</i> (1999) 2, 38-55
	AT	Ince, Dilek and David C. Hooper. <i>Antimicrobial Agents and Chemotherapy</i> (Oct. 2001) 45(10), 2755-2764

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AR	Fournier, Benedicte and David C. Hooper. <i>Antimicrobial Agents and Chemotherapy</i> , (Jan. 1998) 42(1) 121-128
AS	Zhao, Xilin et al. <i>Antimicrobial Agents and Chemotherapy</i> , (Apr. 1998) 42(4) p956-958
AT	Breines, David M. et al. <i>Antimicrobial Agents and Chemotherapy</i> , (Jan. 1997) 41(1) 175-179

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	AR	Fournier, Benedicte, et al. <i>Journal of Bacteriology</i> , (Feb. 2000) 182(3) 664-671
	AS	Mandell, Lionel et al. <i>CIP</i> (2001) 32, Suppl 1, S72-S79
	AT	Gootz, Thomas D. and Katherine E. Brighty. "Chemistry and Mechanism of Action of the Quinolone Antibacterials", <i>The Quinolones</i> , Second Ed. Chap 2. Academic

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	AR	Takenouchi, Takashi et al. <i>Antimicrobial Agents and Chemotherapy</i> , (Aug 1996) 40(8) p1835-1842
	AS	Zhao, Xilin, et al. <i>Proc. Natl. Acad. Sci. USA</i> , (Dec. 1997) vol. 94, pp13991-13996
	AT	Takei, Masaya et al. <i>Antimicrobial Agents and Chemotherapy</i> , (Dec. 2001), 45(12), pp3544-3547

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AR	Ince, Dilek et al. <i>Antimicrobial Agents and Chemotherapy</i> , (Dec. 2000), 44(12) pp3344-3350
AS	Oizumi, Nbuyuki et al. <i>J. Infect. Chemother.</i> , (2001) 7: 191-194
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